

October 29, 2002

Mr. J. A. Stall
Senior Vice President, Nuclear and
Chief Nuclear Officer
Florida Power and Light Company
P.O. Box 14000
Juno Beach, Florida 33408-0420

SUBJECT: ST. LUCIE PLANT, UNITS 1 AND 2 - REQUEST FOR ADDITIONAL
INFORMATION REGARDING RELOCATION OF THE SPENT FUEL CRANE
TECHNICAL SPECIFICATION REQUIREMENTS (TAC NOS. MB5667 AND
MB5668)

Dear Mr. Stall:

By letter dated July 18, 2002, Florida Power and Light Company submitted a technical specification (TS) amendment request, which dealt with relocation of several specifications concerning the spent fuel crane from the TS to the respective units' Updated Final Safety Analysis Report (UFSAR). In the UFSAR, these requirements would require any changes or modifications to be controlled in accordance with Title 10 to the *Code of Federal Regulations*, Section 50.59.

The U.S. Nuclear Regulatory Commission staff has reviewed your submittal and finds that a response to the enclosed request for additional information is needed before we can complete the review. This request was discussed with your staff on September 30, 2002. Mr. Ken Frehafer of your staff agreed that a response would be provided by November 15, 2002.

If you have any questions, please feel free to contact Eva Brown at (301) 415-2315.

Sincerely,

/RA/

Brendan T. Moroney, Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-335 and 589

Enclosure: Request For Additional Information

cc w/encl: See next page

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Mr. J. A. Stall
Florida Power and Light Company

cc:

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REQUEST FOR ADDITIONAL INFORMATION

SPENT FUEL POOL REQUIREMENT RELOCATION AMENDMENT

SAINT LUCIE PLANT, UNITS 1 AND 2

DOCKET NOS. 50-335 AND 50-389

With regards to Technical Specifications (TSs) 3/4.9.7, Crane Travel - Spent Fuel Storage Pool Building and TS 3/4.9.11, Crane Travel - Spent Fuel Storage Pool Building answer the following:

- (1) Why are the weight limits different between units? What governs the TS's weight limits of 2000 pounds (lbs) for Unit 1 and 1600 lbs for Unit 2 in TS 3/4.9/11, respectively? What is the nominal weight of each fuel assembly for fuels used in Unit 1 and Unit 2?
- (2) What is the design load on the fuel handling tools machine hoist and the fuel handling building crane hoist? How and when would each one be used?
- (3) While fuel handling activities are in progress, should a loss of power and/or a loss of offsite power (LOOP) occur, what are the procedural steps prescribed for the crane operators and/ or design features to place the crane in its fail safe position to prevent a potential load drop accident?
- (4) If it can be postulated that there is some non-fuel weight that could be inadvertently handled and would produce the equivalent amount of fuel damage assumed in the Florida Power and Light Company fuel handling accident, what measures would prevent these non-fuel weights from being handled over irradiated fuel assemblies during refueling operations and during a loss of power or a LOOP?
- (5) What is the maximum weight assumed for the Unit 1 and Unit 2 fuel handling accident as described in Chapter 15 of the Updated Final Safety Analysis Report? How are these numbers related to the Unit 1 and Unit 2 TS weight load limits?

Enclosure